

KILL 2,500 HEAD OF STOCK IN WEEK

Griffin Packing Plant Handled Large Consignments During Past Week.

When the J. Y. Griffin packing plant began operations last September the general equipment was far from complete. Almost every stage in the process of manufacture was hampered by the lack of trained men and by the crude facilities for handling the goods. The many visitors to the plant during the past two months came away with some conception of the magnitude of the concern, but they had no idea of what still remains

Manager Bradley stated to a Bulletin representative this morning that the plant is beginning to assume somewhat of the design which is out-

partment after another has been added to throughout the entire building. Over \$6,000 has been expended in building sheds for the stock. The chutes have been changed, the killing room has been re-arranged and the cooling facilities have been completed.

Install the Telegraph.
The business that the plant has

all over the province has necessitated the installing of a telegraph office at the plant. The wires will be constructed this week.

of live stock this past week," said Mrs. Bradley. "Hogs are coming in plentifully from points as far south as Calgary, east to Lloydminster and from districts in the north. This week six carloads of sheep are being shipped from Martin Brothers' ranch at Maple Creek, near Lethbridge. We have no trouble in getting all the stock we want for the present, and as our business enlarges we feel that we have the live stock here to keep us going."

Customs Officer Will Hold Up Liquor.
St. John, N.B., Nov. 24—A circular received by Collector of Customs Dunn from Ottawa, states that customs officers are instructed not to sign manifests for the transportation in bond of intoxicating liquor from ports in Acadia to any city or county therein where the Canada Temperance act is in force. The act is now in force in nine counties in New Brunswick and ten in Nova Scotia.

FACE MURDER CHARGE

Widow of Deceased Nephew of Admiral Sampson Taken Into Custody at Conclusion of Inquest Into Tragic Death of Young Sampson, Who Was Shot at Rochester After Quarrel With Wife.

Rochester, N. Y., Nov. 24—Mrs. George A. Sampson, widow of Harry Sampson, nephew of Admiral Sampson, was arrested, charged with murder in the first degree at the close of the Sampson inquest at Marcdon this morning, and was placed in a cell at the Wayne county jail, there to await the action of the grand jury which next sits in February. She absolutely refused to discuss the tragedy of any possible motive which might have led to the crime.

The finding of a letter from an unidentified Rochester man in Mrs. Sampson's possession on the previous

early morning quarrel just prior to the crime. On the morning of the crime Harry Sampson and his wife had been in the sitting room of the Allyn home. In the kitchen Mrs.

working. Following a report of a rifle Mrs. Allyn started to open the kitchen door and as she did so Sampson fell headlong through the opening. He uttered no sound. He fell to the floor and was dead by the time Mrs. Sampson rushed down a flight of stairs which led from the sitting room.

A rifle stood against a wall of the room. The suicide theory received a set-back when Dr. Hamilton, a gun expert, testified it would have been impossible for Sampson to have shot himself with a rifle and leave no powder stains or burns on his clothes.

Redmond Moves to Abolish 'Distasteful Clause From Oath of Sovereign.

London, Nov. 24.—The House of Commons this afternoon by a vote of 233 to 48, agreed to the first reading of a bill introduced by William Redmond to remove the existing "distasteful clause," including the prohibition of street processions, and to abolish the anti-Catholic clause in the oath taken by the sovereign on his accession to the throne. As this bill has practically no chance of further con-

To Protest Election in Pontiac.
Ottawa, Nov. 24.—Pontiac County Conservatives are preparing to contest the election of Hodgins, Liberal,



STRATHCONA NEWS

GAS FRANCHISE IS AGAIN

BEFORE STRATHCONA COUNCIL.
 Routine business is rapidly transacted and the Board of Trade has been asked to consider the new Gas Franchise which is to be taken up by the national lighting and heating Co.

At the regular weekly meeting of the Strathcona City Council last night Mayor Duggan occupied the chair and the only absentees were Ald. Sheppard and Bush. There was little business of importance and the routine was concluded by the council. The council then adjourned until next week, when it will meet on Thursday and Friday nights. Ald. Richards was in the chair in committee and the by-law was before the board until a late hour.

The Commemorative Medal.
 Dominion Securities Co. Toronto, commencing their telegrams of last week with reference to their bid of 1907 for gold and market rate debentures which was accepted. The company expressed their satisfaction also in a later letter for having secured the debentures. The letter was filed.

Amelior Janes Co. Toronto, offering plans to erect a new building for the purpose of 500,000 ft. The company is now in the process of raising the money for the purpose.

J. S. Richardson & Co. Toronto, offering to build a new building for the purpose of 500,000 ft. The company is now in the process of raising the money for the purpose.

Auditor Cox forwarding accounts for the purpose of 500,000 ft. The company is now in the process of raising the money for the purpose.

Frank Harris wrote again asking the Mayor and Council to reconsider the payment of his salary during his suspension as a police officer. He pointed out that he had been paid for three years for the city and for the city and for the city.

Ald. Richards moved, seconded by Ald. Tipton that the amount be paid.

Ald. Elliot protested against the payment of the money as he claimed that Harris was disreputable in the police commission.

Ald. Tipton gave it as his opinion that Harris was legally entitled to his salary and could receive it in a court of law. He had been three years in the city and had done his duty in that regard fully and well.

Ald. Elliot said that the city should not pay the money as he claimed that Harris was disreputable in the police commission.

Ald. Bush said he had not changed his opinion on this matter. He had been three years in the city and had done his duty in that regard fully and well.

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A large number of complaints had been made with reference to burning rubbish in tanks. He suggested a standard tank for this purpose. The fire and light committee were instructed to act in both matters.

City Assessor Foster reported with reference to the appeal of R. W. Landrum from his location. The city assessor had estimated his property at \$6000 while Mr. Landrum claimed it was \$4000. The difference being arrived at by subtracting \$2000 from a real estate value of \$8000.

The matter was left in abeyance in order to obtain further information. Ald. Elliot inquired whether the person who had been estimated at \$6000 was the owner of the property. He was told that the person was the owner of the property.

Ald. Richards inquired if something could not be done in putting the bridge at the big ranch at the east end of the city in condition. There was now an excellent chance of a life-time to carry the eastern trade that was lost to the city some time ago. He thought something should be done at once towards this work in the early spring. A resolution was passed that the engineer prepare plans and specifications to raise the bridge there and prepare the grade.

Ald. Richards also inquired with reference to the lighting of the present bridge. He had been told by the city electrician, Kelly, that City Electrician Kelly had spoken of the new matter. The fire and light committee were instructed to act in both matters.

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STILL EXPERIMENTING IN GAS PRODUCER ENGINES

In Europe, Where the Discovery Was Made—Recent Discoveries Show Bituminous Coal, as Well as Anthracite, May Be Used—Dr. Haanel to Secure Latest Information.

Ontario, Nov. 24.—Dr. Eugene Haanel, director of the mines branch of the geological survey, is now on his way to Sweden, on the invitation of the government of that country to his laboratory, the opening of a new electric smelting plant at Danderyd.

His visit to Sweden, in connection with the new system, may be expected. Dr. Haanel will investigate the results of the latest experiments and discoveries made in Europe in connection with the use of gas producer engines for industrial purposes.

This kind of production has been being largely adopted in certain parts of the continent, and experts say it is fraught with great possibilities in the industrial world. New methods have recently been discovered in making bituminous coal, as well as anthracite, available as power producer.

Dr. Haanel will bring back to Canada the very latest information procurable on the subject.

STILL FAR FROM IDEAL.
Conservatives to Oppose Demands of Radicals for Responsibility of Ministers.

Berlin, Nov. 24.—While the German Emperor has given his Imperial sanction to the new constitution, the constitutionalists have hereafter in mind concerning affairs of state, the Emperor has given his Imperial sanction to the new constitution.

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ON RADICAL LINES. Orangen in Form New Political Party in Australia.

Melbourne, Nov. 24.—The Melbourne Age forecasts the early formation of a new Protestant party in federal politics. The Radical Party, the daily says, said that the leaders of the Orange Institution in New South Wales, supported by representatives of Orangemen in Victoria and other states, are now perfecting plans for the creation of an independent Orangemen party. Experience of the policy of Orangemen in Victoria, it is said, has convinced the Orangemen that if Protestantism is to become a real force in national affairs it must have a separate political party behind it.

It is said that the programme of the party is to be radical, and that it is to be a party of Orangemen. The party is to be a party of Orangemen, and it is to be a party of Orangemen.

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ELMER WEATHER And Plenty of Skating

Open air Skating is a delightful pastime. You will enjoy it the more if equipped with a pair of our skates. The quality is guaranteed and the prices justify quick sale.

Ladies' Skates, N. P. Rocker Blades, \$1.25
 Ladies' "Ideal," a beautifully made and finished skate, \$3.15
 Men's Hockey, N. P. slightly curved blade, \$2.50
 Children's Hockey, sizes 8 and 8½, 50c.
 Straps and Screws with every pair.

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Low Round Trip Rates to ONTARIO, QUEBEC AND MARITIME PROVINCES

Tickets on sale Dec. 1 to Dec. 31, inclusive, good to return within three months.

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ROSS BROS. LIMITED

Auto. Phone 1825 Hardware and Sporting Goods. 387-341 Jasper Ave.

Special Sale of Fancy Goods

Commencing Saturday, November 14th, continuing to January 1st, we will sell our fancy goods at cost, including Baiting Thread and Braid, Best Wool, Zephyr Wool and Shetland Floss. Also a discount of 25 per cent. on all millinery.

MISS ELMER, 324 Jasper Avenue, East

CONNELLY & McKINLEY FUNERAL DIRECTORS AND EMBALMERS

Private Chapel in Connection 212 McDougall Avenue. Phone 1825

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HOISTING MACHINERY, BOILERS AND ENGINES, SINKING PUMPS, MARINE STEAM PUMPS, WIRE ROPE-MINING RAILS. LET US QUOTE YOU PRICES.

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IT PAYS TO BUY THIS SCRIP. FOR FULL PARTICULARS SEE US. FIRE INSURANCE EFFECTED.

Bananas 35c. Per Dozen C. W. CAMPBELL & CO.

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C. W. COOPER, Asst. General Passenger Agent, Dept. "B," C. N. Ry., WINNIPEG.

THE GURNEY OXFORD Golden Nugget

FRUIT GROWING IN ALBERTA

Under Department of Agriculture Nine Experimental Orchards Have Been Established in Various Parts of the Province—Planting Was Done in Unfavorable Season, But Despite This Fact the Weather After Varieties Have Thrived—Can. Large Fruits Be Grown in Alberta.

Can large fruits be grown successfully and extensively in Alberta? This is a question that is frequently asked. With a view of gathering information so that it can be answered intelligently, the provincial department of agriculture started nine fruit experiment stations in the province. The stations are an acre in extent and are under the care of the owner of the farm on which they are situated. They are from fifty to one hundred and twenty miles apart and are located, commencing at the south, at Medicine Hat, Drummond, Medicine Hat, West, Winton, Didsbury, Wetsaskin, Clover Bar, Vegreville and Kitchissippi. Every noticeable variation of soil, climate and altitude in the settled part of the province is represented. At Medicine Hat the trees are situated on land that they can be irrigated if necessary.

The first trees were planted in the spring of 1907. This was a very unfavorable season. The snow and ice which fell in September, accompanied by the hard frosts, injured many of the trees, and some were killed. Owing to this drawback the experiments were much retarded and at the present time no very decisive statements regarding the production of fruit can be made, yet some information has been gathered with reference to varieties, time of delivery, nurseries, etc., which will be valuable to those interested in the subject.

Fall Delivery Best.
The experiments so far have been confined to apples, crab and plums. The hardest varieties of each class have been selected. In apples the varieties that have been tested are the Hiram, Chautauque, Gravenstein, Winesap, the Dessert and Patten's. In hardiness the trees have stood in the order above named. A large percentage of the first two varieties are living, while only a few of the others are. The trees have been able to stand with the conditions of the winter, which has been very severe. The only varieties of crab that have been tested are the Transcendental and Whitney. They are doing exceedingly well at all stations, and are apparently equal in hardiness.

As to plums the Golden Harvest, the Desoto varieties have been tested. From the present appearance of the trees they apparently show no difference in hardiness. However, they do not appear to be able to stand the climatic conditions as well as the apples or crab, and probably will be some time before they can be grown with any degree of success in the province.

With regard to the most suitable age at which trees should be received from the nursery it might be stated that it has been the custom for nurserymen to send out large two or three-year old trees with high trunks. Both one and two year old trees have been tested at these stations, and the results indicate that trees not older than two years, or at least trees with short trunks are undoubtedly the best to plant. The reason for this is that the younger trees can be pruned so that they will branch out close to the ground and are not injured by the strong, severe winds of the winter to the extent that the trees with the higher trunks are. The low spreading branches also protect the trunk from the sun's rays and prevent injury from sun scald, which occurs frequently on fruit trees in the prairie provinces, and has been noticed on the trees at the various stations. It is caused by alternate freezing and thawing of the bark on the south-west side of the tree late in winter.

There has been considerable difference of opinion regarding the best time to receive the trees from the nursery. Although it is generally conceded that the fall delivered trees properly cared for, give the best results, yet it has been the custom in the west for the nurseryman to deliver the trees in the spring. The reasons advanced in favor of fall delivery are that the nurseryman has more time to pack and ship his trees carefully than in the spring. When received by the customer they can be buried over winter and are kept moist and ready to plant in the spring at the proper time. Spring delivered trees, on the contrary, on account of lack of time, are not properly packed, and they may be received at a time when it is not convenient to plant them, and therefore are not as vigorous as those received in the fall. At the stations

in Alberta, half of the trees ordered were delivered in the fall and the rest in the spring. The difference in the appearance of the trees is not very noticeable. This may be accounted for by the fact that the trees or the different deliveries were very well packed and planted as soon as they were received. The fall delivered trees were injured to some extent by the operation of burying them in the fall and digging them out in the spring. They were also injured where the burying of trees is properly understood it is generally agreed that they have been delivered in the fall.

The question has often been asked whether or not trees grown in western nurseries are harder than those that were produced in Ontario and the Western States. A large number of the eastern nurseries have agents for representing them in different parts of the west. These agents sometimes make exorbitant claims for their nurseries, stating that their trees are superior to those of the western nurseries, and are therefore recommended, and are guaranteed to do as well as trees from western nurseries. With a view of ascertaining whether or not there was any difference between the different nurseries, trees were ordered from nurseries in Manitoba, Ontario and one in Minnesota. As far as experiments go the trees from the Manitoba nurseries are more vigorous and in better condition than the others. This is as would be expected. The Manitoba soil has been grown under similar conditions to our own, and is therefore acclimated, and owing to the fact that the trees were only shipped in the fall, they have arrived in good condition. The trees from the Ontario nurseries were a large extent poor in growth, and in some cases the trees in Manitoba, but like the trees in Ontario, they were improperly packed and as a result many of them were killed. The trees from the Ontario nurseries had a long distance to travel and were in poor condition, having been dried out by the heat of the car, and therefore did not make nearly as good a showing as the others.

Fungus Growth.

Some of the most serious diseases which are common to fruit trees in the east, were noticed at the different stations this fall. The principal fungus diseases noticed were brown rot of the apples and crab, and the black fungus on plums. These diseases can be prevented by spraying with Bordeaux mixture two or three times early in the season. The trees from the Ontario nurseries were affected with oyster-shell bark lice. The reason for this is not a very troublesome insect, and can be wiped off by using a good kerosene.

Although no definite results in the form of fruit have yet been obtained at the stations, the writer believes that it will be possible to grow fruit successfully in the province. A number of experiments in different parts of the province where the trees were well sheltered, or where the natural conditions were such that the trees were protected, have been successful in getting apples and crab to mature. As far as the Eastern, of Clover Bar, the late Mr. Daly had succeeded in getting apples to mature for two years in succession.

The reason why fruit growers have not been more successful in their efforts in the past is due to winter-killing of the trees. About two-thirds of the trees planted on the experiment stations in the spring of 1907 were winter-killed. Winter injury may be divided into three classes, viz., root injury, trunk injury and branch injury. Of these three, the last named is by far the most common in Alberta. By grafting on roots of hardier trees such as the Siberian crab, there is usually very little injury at this point. The principal injury to the trunk is caused by the winter-killing of the trunk. By pruning the trees so that they branch out close to the ground and protecting them with boards or other material, this can be overcome.

The reason that branch injury is the most common is due to the vigorous, late, and consequently immature growth of the wood, which is prone to be killed by the dark surface soil, rich in humus, characteristic of our prairie provinces. How can injury at this point be remedied? The trees can be protected by bending them close to the ground and burying them for the

first or second winter. After this they are to be large and this method becomes imperative. The trees must therefore be handled so that the wood will mature early in the season. In the east this is accomplished by creating cultivation only in the fall and sowing a cover crop, which absorbs the soil moisture and checks the growth of the tree. The cover crop is plowed under and serves as a fertilizer. In the west trees were ordered in the fall, and the cover crop would have to be removed, because plowing under would destroy the humus already too abundant. The late growth may also be prevented by tipping off the ends of the branches about the middle of August, thus method to prevent late and immature growth was advocated by the late Prof. Daly, who claims that if fruit growing was to be made a success, the trees must be planted in the soil where they would be beyond the influence of the rich surface soil. The fruit produced on his farm was grown on a knoll where the surface soil had been removed. This method would not be practicable on level land where the humus went below a depth of twelve or eighteen inches, owing to the depth at which it would be necessary to plant the trees. Experiments in planting trees in the surface and in the subsoil have been conducted, but so far the trees have not shown any noticeable difference.

Cause of Winter Killing.

It has been stated that winter-killing may also be due to the lack of ripeness. In a bulletin issued by the Illinois Experimental Farm in 1906, it was stated that a large number of trees were winter-killed owing to the fact that when the winter set in the soil was very dry. Prof. Campbell of Lincoln, Neb., makes a strong claim regarding the winter-killing of wheat. There is no doubt but that the same is true of fruit trees. The statement, as the trees have a large amount of moisture during the winter months, especially if the weather is changeable and if they enter the winter in dry condition, they will not have sufficient vitality to renew their growth in the spring. If the rainfall has been light in the autumn, it is frequently the case in Alberta, it will doubtless be of great advantage to supply the trees with water artificially before the ground freezes. At one time it was believed that because the winter was so dry it would be impossible to get forest trees to thrive. Another claimant that trees were foreign to the prairie, and, after a few unsuccessful attempts, the hope of being able to grow even forest trees was abandoned. A few years ago the

Forestry Branch of the Dominion Department of Agriculture became engaged in this work. The men employed selected the seeds from trees grown under similar conditions to those in which they were planted. They advocated thorough preparation of the soil in having the land broken and the old soil well rotted before the trees were planted. Instructions were given to those who made application for trees, to commence cultivating early in the spring and to continue it through the growing season, thereby destroying all weeds, couch grass and other succulent plants that rob the trees of moisture. At the same time the capillary pores were destroyed and the escape of moisture by evaporation prevented. Owing to the light rainfall in this province it was believed that if the soil was cultivated with a view of retaining all that fell for the use of the trees, the problem of growing forest trees would be

a large extent be solved. The large number of farmers' houses now protected by shelter belts of healthy forest trees is ample evidence that where proper care and cultivation are given, forest trees can be successfully grown. What has been true regarding the cultivation of fruit, in a few years it is anticipated that there will be a large number of productive apple orchards in the province of Alberta.

TWO RAILROADS FOR PEMBINA

The Canadian Northern survey parties locating their line to the McLeod River, crossed the Pembina last week and it is stated that they will use the G. T. P. bridge at this point. This makes Pembina Townsite a better proposition than ever. If you wish to take advantage of the present prices you will have to act quickly. On the first day of December an advance of 50 per cent. on the unsold portion will come into effect. The resources of Pembina are Timber, Coal, Sand Stone, and a fine farming country. It will be to your advantage if you are looking for an A. I. investment, or a place to establish a paying business, to call on or write—

W. S. HEFFERNAN, Pembina Townsite Agent. 257 Jasper Avenue, East. Telephone 1342

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